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Rao, Pat

<130> 10448-039001

<151> 2001-02-02

<170> FastSEQ for Windows Version 4.0

<213> Rattus norvegicus

1 5

<213> Rattus norvegicus

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<213> Rattus norvegicus

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<213> Rattus norvegicus

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<400> 8
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<400> 11
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 Thr Val Ile Ile Ser Cys
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<400> 12
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<210> 13
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<400> 13
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 Tyr Cys

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 Tyr Val His Trp Tyr Gln Gln Arg Pro Gly Arg Ala Pro Thr Leu Val
 35 40 45

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Ile Phe Asp Asp Asp Lys Arg Pro Asp Gly Val Pro Asp Arg Phe Ser
 50 55 60
 Gly Ser Ile Asp Arg Ser Ser Asn Ser Ala Ser Leu Thr Ile Ser Gly
 65 70 75 80
 Leu Gln Thr Glu Asp Glu Ala Asp Tyr Tyr Cys His Ser Tyr Val Ser
 85 90 95
 Ser Phe Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
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<221> CDS

<222> (1)...(330)

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aca gtc att att tct tgc aca ctc agc tct ggt aac ata gaa aac aac 96
 Thr Val Ile Ile Ser Cys Thr Leu Ser Ser Gly Asn Ile Glu Asn Asn
 20 25 30

tat gtg cac tgg tac cag caa agg ccg gga aga gct ccc acc ctc gtg 144
 Tyr Val His Trp Tyr Gln Gln Arg Pro Gly Arg Ala Pro Thr Leu Val
 35 40 45

att ttc gat gat gat aag aga ccg gat ggt gtc cct gac agg ttc tct 192
 Ile Phe Asp Asp Asp Lys Arg Pro Asp Gly Val Pro Asp Arg Phe Ser
 50 55 60

ggc tcc att gac agg tct tcc aac tca gcc tcc ctg aca atc agt ggt 240
 Gly Ser Ile Asp Arg Ser Ser Asn Ser Ala Ser Leu Thr Ile Ser Gly
 65 70 75 80

ctg caa act gaa gat gaa gct gac tac tac tgt cat tct tat gtt agt 288
 Leu Gln Thr Glu Asp Glu Ala Asp Tyr Tyr Cys His Ser Tyr Val Ser
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<400> 17

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1 5 10 15																	
tcc atg aaa ctg tcc tgt gca gcc tca gga ttc act ttc agt agc ttt	96																
Ser Met Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Phe																	
20 25 30																	
cca atg gcc tgg gtc cgc cag gct cca aag aag ggt ctg gag tgg gtc	144																
Pro Met Ala Trp Val Arg Gln Ala Pro Lys Lys Gly Leu Glu Trp Val																	
35 40 45																	
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Ala Thr Ile Ser Thr Ser Gly Gly Arg Thr Tyr Tyr Arg Asp Ser Val																	
50 55 60																	
aag ggc cga ttc act atc tcc aga gat aat ggg aaa agc atc cta tac	240																
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Gly Lys Ser Ile Leu Tyr																	
65 70 75 80																	
ctg caa atg aat agt ctg agg tct gag gac acg gcc act tat tac tgt	288																
Leu Gln Met Asn Ser Leu Arg Ser Glu Asp Thr Ala Thr Tyr Tyr Cys																	
85 90 95																	
tca aga ttt cgg cag tac agt ggt ggc ttt gat tac tgg ggc caa ggg	336																
Ser Arg Phe Arg Gln Tyr Ser Gly Gly Phe Asp Tyr Trp Gly Gln Gly																	
100 105 110																	
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Thr Thr Val Thr Val Ser Ser																	
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<400> 23
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<210> 24
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<400> 24
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<210> 25
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 <213> Homo sapiens

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 Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
 35 40 45
 Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
 50 55 60
 Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
 65 70 75 80
 Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
 85 90 95
 Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys
 100 105 110
 Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro
 115 120 125
 Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
 130 135 140
 Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
 145 150 155 160
 Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
 165 170 175
 Glu Gln Tyr Ala Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
 180 185 190
 His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
 195 200 205
 Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
 210 215 220
 Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu
 225 230 235 240
 Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
 245 250 255
 Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
 260 265 270
 Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
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 305 310

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48

agc acc tct ggg ggc aca gcg gcc ctg ggc tgc ctg gtc aag gac tac
 Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr
 20 25 30

96

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ttc ccc gaa ccg gtg acg gtg tcg tgg aac tca ggc gcc ctg acc agc 144
 Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
 35 40 45

ggc gtg cac acc ttc ccg gct gtc cta cag tcc tca gga ctc tac tcc 192
 Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
 50 55 60

ctc agc agc gtg gtg acc gtg ccc tcc agc agc ttg ggc acc cag acc 240
 Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
 65 70 75 80

tac atc tgc aac gtg aat cac aag ccc agc aac acc aag gtg gac aag 288
 Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
 85 90 95

aaa gtt gag ccc aaa tct tgt gac aaa act cac aca tgc cca ccg tgc 336
 Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys
 100 105 110

cca gca cct gaa ctc ctg ggg gga ccg tca gtc ttc ctc ttc ccc cca 384
 Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro
 115 120 125

aaa ccc aag gac acc ctc atg atc tcc cgg acc cct gag gtc aca tgc 432
 Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
 130 135 140

gtg gtg gtg gac gtg agc cac gaa gac cct gag gtc aag ttc aac tgg 480
 Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
 145 150 155 160

tac gtg gac ggc gtg gag gtg cat aat gcc aag aca aag ccg cgg gag 528
 Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
 165 170 175

gag cag tac gcc agc acg tac cgt gtg gtc agc gtc ctc acc gtc ctg 576
 Glu Gln Tyr Ala Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
 180 185 190

cac cag gac tgg ctg aat ggc aag gag tac aag tgc aag gtc tcc aac 624
 His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
 195 200 205

aaa gcc ctc cca gcc ccc atc gag aaa acc atc tcc aaa gcc aaa ggg 672
 Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
 210 215 220

cag ccc cga gaa cca cag gtg tac acc ctg ccc cca tcc cgg gat gag 720
 Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu
 225 230 235 240

ctg acc aag aac cag gtc agc ctg acc tgc ctg gtc aaa ggc ttc tat 768
 Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
 245 250 255

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ccc agc gac atc gcc gtg gag tgg gag agc aat ggg cag ccg gag aac	816
Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn	
260 265 270	
aac tac aag acc acg cct ccc gtg ctg gac tcc gac ggc tcc ttc ttc	864
Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe	
275 280 285	
ctc tac agc aag ctc acc gtg gac aag agc agg tgg cag cag ggg aac	912
Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn	
290 295 300	
gtc ttc tca tgc tcc gtg atg cat gag gct ctg cac aac cac tac acg	960
Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr	
305 310 315 320	
cag aag agc ctc tcc ctg tct ccg ggt aaa tga	993
Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys	
325 330	

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